



DECLARATION AND POWER OF ATTORNEY

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship
are as stated below next to my name. I believe I am
5 the original, first and sole inventor (if only one
name is listed below) or an original, first and joint
inventor (if plural names are listed below) of the
subject matter which is claimed and for which a patent
is sought on the invention entitled SPATIAL BANDGAP
10 MODIFICATIONS AND ENERGY SHIFT OF SEMICONDUCTOR
STRUCTURES, the specification of which was filed on
April 15, 2004, assigned Serial No. 10/824,838 and
identified by Attorney's Docket No. AHURA-10.

I hereby state that I have reviewed and
15 understand the contents of the above-identified
specification, including the claims.

I acknowledge the duty to disclose information
which is material to the examination of this
application in accordance with Title 37, Code of
20 Federal Regulations, Section 1.56(a).

I hereby claim priority benefits under Title 35,
United States Code, Section 119(e) of U.S. Provisional
Patent Application Serial No. 60/462,888, filed
04/15/03 by Peidong Wang et al. for SPATIAL BANDGAP
5 MODIFICATIONS AND ENERGY SHIFT OF SEMICONDUCTOR
STRUCTURES (Attorney's Docket No. AHURA-10 PROV).

I hereby appoint Pandiscio & Pandiscio, a firm
composed of Nicholas A. Pandiscio, Registration No.
17,293, Mark J. Pandiscio, Registration No. 30,883,
10 Scott R. Foster, Registration No. 20,570, and James A.
Sheridan, Registration No. 43,114, or any of them, of
470 Totten Pond Road, Waltham, Massachusetts 02451,
(Telephone No. 781-290-0060), my attorneys with full
power of substitution and revocation, to prosecute
15 this application and to transact all business in the
Patent Office connected therewith.

Please direct all correspondence in this matter
to:

Mark J. Pandiscio

Pandiscio & Pandiscio, P.C.

5 470 Totten Pond Road

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Please direct all telephone calls to:

10 Mark J. Pandiscio or

Nicholas A. Pandiscio

I hereby declare that all statements made herein
of my own knowledge are true and that all statements
made on information and belief are believed to be
15 true; and further that these statements were made with
the knowledge that willful false statements and the
like so made are punishable by fine or imprisonment,
or both, under Section 1001 of Title 18 of the United
States Code and that such willful false statements may
20 jeopardize the validity of the application or any
patent issued thereon.